

CLAIMS

1. A device for dynamic illumination, comprising groups of light sources; a power supply source, each of said groups of light sources is formed as a light-emitting module which includes light diodes selected from the group consisting of one light diode and several light diodes, electronic keys corresponding to said light diodes for power supply of said light diodes through ballast resistors, a processor containing control programs for controlling brightness and color of said light diodes in time with the use of a method of frequency-pulse modulation, for controlling said electronic keys and interaction of the processors including synchronization of their operation, said modules having inputs which are electrically connected with one another and outputs which are grounded, wherein said modules are united in three-dimensional structures.

2. A device as defined in claim 1; and further comprising an external power source for power supply of the device.

3. A device as defined in claim 1, wherein at least one of said modules has an independent power source.

4. A device as defined in claim 1, wherein at least one of said modules includes at least one signal sensor.

5. A device as defined in claim 4, wherein said at least one signal sensor is a sensor selected from the group consisting of a temperature sensor and a pressure sensor.

6. A device as defined in claim 1, wherein said processor is formed so that it performs a sequence of actions required for turning off of said light sources and changing of their intensity in accordance with a program realizing N subprograms of light effects, wherein after turning of the power source zeroing of i-th number of the subprogram of light effects is

performed in corresponding with a waiting period, and then starting from 1-st subprogram successively i-numbers of subprograms are introduced, fulfilling of condition $i < N$ is checked, and after a positive result of the checking i-th subprogram of light effects is performed, and after completing of the performance of i-th subprogram of light effects number is increased by one, checking and the performing of i+1th subprogram is repeated, and these actions are repeated at least the whole sequence N of subprograms is performed, wherein each subprogram forms M_i digital words which provide L bytes of control signal for said light sources and in correspondence with the number of said light sources, outputting of signals controlling the light insensity, and representing a digital j-th sequence of 8-register numbers which correspond to the number of said light sources.